



Second Announcement

Fifth WMO International Symposium on Data Assimilation

5-9 October, 2009 Melbourne, Australia

**The 5th WMO International Symposium on Data Assimilation will be convened in
the
Southern Hemisphere springtime, 5-9 October, 2009 in Melbourne, Australia.**

The four previous Symposia were held in Prague, Czech Republic (2005), Quebec City, Canada (1999), Tokyo, Japan (1995), and Clermont-Ferrand, France (1990). Collections of the major papers have been published in journal special issues, with those from Prague in a Quarterly Journal of the Royal Meteorological Society special issue (Vol 131, Part C).

The goals of the Symposium are:

- (1)** To assess recent progress in all aspects of atmospheric, oceanographic and hydrologic data assimilation, in both research and operational environments; and
- (2)** To reach a common understanding of the main challenges and opportunities that lie ahead in atmospheric, oceanographic and hydrologic data assimilation.

Contributions are sought for presentations relating to state-of-the-art research and operational developments in data assimilation. While there is a continued interest in the global- to meso-scale analysis of the ocean and atmosphere, all aspects of the Earth system, such as the continental biosphere, stratospheric and tropospheric chemistry and ocean biogeochemistry will be discussed at this symposium. In particular, hydrological processes and precipitation will now also be a major theme.

Invited papers will give overviews of problems, progress and prospects in key areas. A list of invited speakers and key dates is on the next page. Poster presentations were the main form of presentation in Prague and the Melbourne Symposium will follow this successful style. The offer of some additional oral presentations may be made at the discretion of the Scientific Committee.

The Symposium will be held at the Melbourne Convention & Exhibition Centre in central Melbourne. Dr Peter Steinle chairs the Local Organising Committee.

Details on the Symposium, including instructions for submitting an abstract, key dates, are available from the symposium web site: <http://wmoda5.amos.org.au>

To receive further information, E-mail: p.steinle@bom.gov.au.

The symposium will include the following keynote presentations

Dara Entekhabi (MIT, USA)	Data Assimilation for hydrology
Jean-Francois Mahfouf (Meteo France)	Recent progress in land data assimilation for numerical weather prediction
Francois Bouttier (Meteo France)	Fine-scale versus large-scale atmospheric data assimilation
Anthony Weaver (CERFACS, France)	Recent advances in variational assimilation for global ocean applications
Peter Oke (CSIRO, Australia)	Regional ocean applications of the EnKF/EnOI
Shinya Kobayashi (JMA)	Reanalysis
Dick Dee (ECMWF)	Representation of climate signals in reanalysis.
David Anderson (Met Office UK)	Data Assimilation for coupled models
Hendrik Elbern (Germany)	Chemical data assimilation with multiscale emission inversion
Jeff Whitaker (NOAA)	Developments in ensemble Data Assimilation
Yannick Trémolet (ECMWF)	Developments in 4D-Var
Eugenia Kalnay (UMD USA)	4d-Var and Ensemble Kalman Filter Inter-Comparisons
John Eyre (Met Office, UK)	Changes to the Global Observing System - evolution or design?
John Derber (NCEP, USA)	Assimilation of satellite, radar and novel forms of remote sensing.
John LeMarshall (CAWCR, Australia)	Satellite Data Assimilation
Chris Snyder (NCAR USA)	Advanced nonlinear Data Assimilation

The organising committees for the 5th WMO International Symposium on Data Assimilation are:-
International Scientific Organising Committee

Andrew Lorenc, Met Office, United Kingdom (Chair)
Dale Barker, NCAR/UK Met. Office, United Kingdom
Dick Dee, ECMWF, United Kingdom
Pierre Gauthier, Université du Québec à Montréal, Canada
Ron Gelaro, NASA GMAO, USA
Masafumi Kamachi, MRI, Japan
Dennis McLaughlin, MIT, USA
Takemasa Miyoshi, JMA, Japan
Jeanette Onvlee, KNMI, Netherlands
Vladimir Penenko, Inst. of Comp.Maths.& Math. Geophysics, Russia
Florence Rabier, Meteo-France and CNRS
Chris Snyder, NCAR, USA
Peter Steinle, Bureau of Meteorology, Australia
Olivier Talagrand, LMD, France
Anthony Weaver, CERFACS, France
Jishan Xue, China Academy of Met. Sciences

Local Organising Committee

Peter Steinle, Bureau of Meteorology, Melbourne (Chair)
Andrew Hollis, Bureau of Meteorology, Melbourne
Val Jemmeson, Bureau of Meteorology, Melbourne
Meryl Wiseman, Bureau of Meteorology, Melbourne
John LeMarshall, Bureau of Meteorology, Melbourne
Jeff Keptert Bureau of Meteorology, Melbourne
Jeff Walker, University of Melbourne,
Peter Oke, CSIRO Marine & Atmos.Res., Hobart
Luigi Renzullo, CSIRO, Land & Water, Canberra

Important Dates

Invited Speakers and draft program established	September 30, 2008
Call for short abstracts	February 1, 2009
Deadline for short abstracts, including poster abstracts	May 15, 2009
Notification of short abstract and poster acceptance	June 30, 2009
Early-bird registration open	March 16, 2009
Deadline for early bird registration	August 1, 2009
Deadline for extended abstracts	To Be Advised

These dates may be adjusted so please check regularly.